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| FORM PTO-1390<br>(REV. 11-2000)   |   | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | ATTORNEY'S DOCKET NUMBER<br>P/63663 |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371  |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)         |  | 107550496                           |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB2004/001064  | INTERNATIONAL FILING DATE<br>March 12, 2004 | PRIORITY DATE CLAIMED<br>March 21, 2003                 |  |                                     |
| TITLE OF INVENTION PATHS IN TELECOMMUNICATIONS NETWORKS   |   |   |  |                                     |
| APPLICANT(S) FOR DO/EO/US William CAMPBELL, Paul BOOKER, Russell SMITH  |   |   |  |                                     |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |   |  |                                     |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |   |   |  |                                     |
| <b>Items 11 to 20 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> Assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included and fee.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>Receipt Acknowledgement Postcard</b></li> </ol>   |   |   |  |                                     |

|  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
|--|--|-------------------------------------|---------------------------------|-----------------------------|----------------------------------|----------|---------------------------------------|----------|---|----------|
| U.S. APPLICATION NO (if known) See 37 CFR 1.51<br><b>10/550496</b>   | INTERNATIONAL APPLICATION NO.<br>PCT/GB2004/001064 | ATTORNEY'S DOCKET NUMBER<br>P/63663 |                                 |                             |                                  |          |                                       |          |   |          |
| 21. <input checked="" type="checkbox"/> THE FOLLOWING BASIC NATIONAL FEES ARE SUBMITTED:   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <table> <tr> <td>■ Basic National Stage Fee.....</td> <td>\$300.00</td> </tr> <tr> <td>■ National Stage Search Fee.....</td> <td>\$500.00</td> </tr> <tr> <td>■ National Stage Examination Fee.....</td> <td>\$200.00</td> </tr> <tr> <td>□ National Stage Application Size Fee -<br/>for each additional 50 sheets that exceeds 100 sheets.....</td> <td>\$250.00</td> </tr> </table>   |  |                                     | ■ Basic National Stage Fee..... | \$300.00                    | ■ National Stage Search Fee..... | \$500.00 | ■ National Stage Examination Fee..... | \$200.00 | □ National Stage Application Size Fee -<br>for each additional 50 sheets that exceeds 100 sheets..... | \$250.00 |
| ■ Basic National Stage Fee.....  | \$300.00   |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| ■ National Stage Search Fee.....   | \$500.00   |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| ■ National Stage Examination Fee.....  | \$200.00   |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| □ National Stage Application Size Fee -<br>for each additional 50 sheets that exceeds 100 sheets.....  | \$250.00   |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| \$1,000.00   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| Surcharge of \$130.00 for furnishing the oath or declaration later than<br>months from the earliest claimed priority date (37 CFR 1.492 (e)).  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <table> <tr> <td><input type="checkbox"/> 20</td> <td><input type="checkbox"/> 30</td> <td>\$0.00</td> </tr> </table>  |  |                                     | <input type="checkbox"/> 20     | <input type="checkbox"/> 30 | \$0.00                           |          |                                       |          |   |          |
| <input type="checkbox"/> 20  | <input type="checkbox"/> 30                        | \$0.00                              |                                 |                             |                                  |          |                                       |          |   |          |
| CLAIMS   | NUMBER FILED                                       | NUMBER EXTRA                        |                                 |                             |                                  |          |                                       |          |   |          |
| Total claims   | 22 - 20 =  | 2                                   |                                 |                             |                                  |          |                                       |          |   |          |
| Independent claims   | 1 3 =  | 0                                   |                                 |                             |                                  |          |                                       |          |   |          |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |  | + \$360.00                          |                                 |                             |                                  |          |                                       |          |   |          |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| \$1,100.00   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above<br>are reduced by 1/2.  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <b>SUBTOTAL =</b>  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| \$1,100.00   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| Processing fee of \$130.00 for furnishing the English translation later than<br>months from the earliest claimed priority date (37 CFR 1.492(f)).  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <table> <tr> <td><input type="checkbox"/> 20</td> <td><input type="checkbox"/> 30</td> <td>\$0.00</td> </tr> </table>  |  |                                     | <input type="checkbox"/> 20     | <input type="checkbox"/> 30 | \$0.00                           |          |                                       |          |   |          |
| <input type="checkbox"/> 20  | <input type="checkbox"/> 30                        | \$0.00                              |                                 |                             |                                  |          |                                       |          |   |          |
| <b>TOTAL NATIONAL FEE =</b>  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| \$1,100.00   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <table> <tr> <td>+ \$0.00</td> </tr> </table>  |  |                                     | + \$0.00                        |                             |                                  |          |                                       |          |   |          |
| + \$0.00   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <b>TOTAL FEES ENCLOSED =</b>   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| \$1,100.00   |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
|  |  | <b>Amount to be<br/>refunded:</b>   |                                 |                             |                                  |          |                                       |          |   |          |
|  |  | <b>charged:</b>                     |                                 |                             |                                  |          |                                       |          |   |          |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$1,140.00</u> to cover the above fees is enclosed and Assignment recordal.</p> <p>b. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any<br/>overpayment to Deposit Account No. <u>11-1145</u>. A duplicate copy of this sheet is enclosed.</p>  |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |
| <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR<br/>1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p><u>Marty W. Schiffman for Alan Israel</u><br/>SIGNATURE: <u>Ref. No. 30421</u></p> <p><b>KIRSCHSTEIN, OTTINGER, ISRAEL &amp; SCHIFFMILLER, P.C.</b><br/>489 Fifth Avenue<br/>New York, New York 10017<br/>(212) 697-3750</p> <p><b>Alan Israel</b><br/>NAME<br/><u>27,564</u><br/>REGISTRATION NUMBER</p> <p><i>I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail No. EV 667 151 756 US in an envelope addressed to:<br/>Box: PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on:<br/>September 20, 2005<br/>(date)</i></p> <p><i>Lori G. Witkin</i></p> |  |                                     |                                 |                             |                                  |          |                                       |          |   |          |